**SERIES 1900**

**COMPACT LOW DIFFERENTIAL PRESSURE SWITCHES**

Set Points from 0.07 in to 20 in w.c. Repetitive Accuracy within 3%

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**FEATURES/BENEFITS**

- Compact size and repeatability, provides a high-value switch for many industrial and OEM applications.
- Wide range of models from 0.07 in w.c. to 20 in w.c. can meet exacting OEM specifications for a low pressure switch.
- Range screw protected inside enclosure provides simplified adjusting but prevents tampering.

**APPLICATIONS**

- Air conditioning refrigeration coil icing detection; defrost cycle initiation.
- Clogged filter detection.
- Variable air volume controller.

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**SPECIFICATIONS**

| Service: Air and non-combustible, compatible gases. | Electrical Connections: 3 screw type, common, normally open and normally closed. |
| Pressure Limits: 45 in w.c. (11.2 kPa) continuous, 10 psig (68.95 kPa) surge. | Process Connections: 1/8” female NPT. |
| Repeatability: ±3%. | Set Point Adjustment: Screw type inside conduit enclosure. |
| Electrical Rating: 15 A @ 120-480 VAC, 60 Hz. Resistive 1/8 HP @ 125 VAC, 1/4 HP @ 250 VAC, 60 Hz. Derate to 10 A for operation at high cycle rates. | Agency Approvals: CE, CSA, FM, and UL. Optional-EXPL explosion-proof enclosure does not possess any agency approvals. |

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**OPTIONS**

- **Weatherproof Housing**
  - 16 ga. steel enclosure with gasketed cover (NEMA 4, IP66) for wet or oily conditions. Withstands 200 hour salt spray test. Wt. 5-1/2 lb (2.5 kg). Switch must be factory installed.
  - Note: To order, change 1910 base number to 1911 and add -WP suffix.
  - Example: 1911-1-WP.

- **Explosion-Proof Housing**
  - Cast iron base with brass cover. Rated Class I, Groups D; Class II, Div. 2; Groups E, F, G; Class III and NEMA 7, 9 NEMA 3. (7 lb). Switch must be factory installed.
  - Note: To order, change 1910 base number to 1911 and add -EXPL suffix.
  - Example: 1911-1-EXPL.

- **Manual Reset Option (Model 1900 MR)**
  - Includes special snap switch which latches on pressure increase above the setpoint. Switch must be manually reset after pressure drops below the setpoint. Available on -1,-5,-10 or -20 ranges only. Option is not UL, CSA or FM listed. For use only in single positive pressure applications.
  - Note: To order, change 1910 base number to 1900 and add -MR suffix.
  - Example: 1900-10-MR.

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**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>A-399</td>
<td>Duct pressure monitor kit; for use with standard or manual reset model switches; includes mounting flange, tubing and adapters.</td>
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<tr>
<td>A-329</td>
<td>Street ell; brass adapter for applications requiring right angle connections; two required for differential pressures.</td>
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<tr>
<td>A-302F-A</td>
<td>303 SS static pressure tip with mounting flange; for 3/16” ID rubber or plastic tubing; 4” insertion depth; includes mounting screws.</td>
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<tr>
<td>A-489</td>
<td>4” straight static pressure tip with flange.</td>
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